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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/647,278	09/26/2000	Janet M. Hock	X-11965	5427	
7:	590 07/23/2003				
	ND COMPANY	EXAMINER			
DROP CODE			LI, RUI	LI, RUIXIANG	
INDIANAPOLIS, IN 46285			ART UNIT	PAPER NUMBER	
			1646 DATE MAILED: 07/23/2003	17	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application N .	Applicant(s)			
Advisory Action	09/647,278	HOCK, JANET M.			
Advisory Action	Examiner	Art Unit			
	Ruixiang Li	1646			
The MAILING DATE of this communication appe		•			
THE REPLY FILED 03 July 2003 FAILS TO PLACE THIS Therefore, further action by the applicant is required to average final rejection under 37 CFR 1.113 may only be either: (1) condition for allowance; (2) a timely filed Notice of Appeal Examination (RCE) in compliance with 37 CFR 1.114.	S APPLICATION IN CONDITION void abandonment of this applica) a timely filed amendment which I (with appeal fee); or (3) a timely	N FOR ALLOWANCE. ation. A proper reply to a h places the application in			
	PLY [check either a) or b)]				
a) The period for reply expiresmonths from the mailing b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The fee have been filed is the date for purposes of determining the period of fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the context o	Advisory Action, or (2) the date set forth later than SIX MONTHS from the mailing FILED WITHIN TWO MONTHS OF TH date on which the petition under 37 CFI extension and the corresponding amount the shortened statutory period for reply one later than three months after the mail	g date of the final rejection. HE FINAL REJECTION. See MPEP R 1.136(a) and the appropriate extension out of the fee. The appropriate extension originally set in the final Office action; or			
1. A Notice of Appeal was filed on Appellant's 37 CFR 1.192(a), or any extension thereof (37 CFF	R 1.191(d)), to avoid dismissal of				
2. The proposed amendment(s) will not be entered be	cause:	,			
(a) they raise new issues that would require further	er consideration and/or search (s	see NOTE below);			
(b) they raise the issue of new matter (see Note b	elow);				
 (c) they are not deemed to place the application in issues for appeal; and/or 	ı better form for appeal by mater	rially reducing or simplifying the			
(d) they present additional claims without canceling	ng a corresponding number of fi	nally rejected claims.			
NOTE:					
$3. \boxtimes$ Applicant's reply has overcome the following rejection	ion(s): See Continuation Sheet.				
4. Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	be allowable if submitted in a se	parate, timely filed amendment			
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request for application in condition for allowance because: See	reconsideration has been consi <u>Continuation Sheet.</u>	dered but does NOT place the			
 The affidavit or exhibit will NOT be considered becaraised by the Examiner in the final rejection. 	ause it is not directed SOLELY to	o issues which were newly			
For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.					
The status of the claim(s) is (or will be) as follows:					
Claim(s) allowed:	Claim(s) allowed:				
Claim(s) objected to:	Claim(s) objected to:				
Claim(s) rejected: <u>35,65 and 66</u> .					
Claim(s) withdrawn from consideration:					
8. The proposed drawing correction filed on is a	The proposed drawing correction filed on is a) _ approved or b) _ disapproved by the Examiner.				
9. Note the attached Information Disclosure Statemen	t(s)(PTO-1449) Paper No(s)				
0. Other:	,				
					



Continuation of 3. Applicant's reply has overcome the following rejection(s): Applicants' cancellation of claims 59-63 has made the rejection of claims 59-63 under 35 USC 112, first paragraph (Written Description) moot.

Applicants' cancellation of claims 56-58 and 64 has made the rejection of claims 56-58 and 64 under 35 USC 102 (b) as being anticipated by Neer et al. moot.

Applicants' cancellation of claims 59-62 has made the objection of claims 59-62 for minor informalities moot.

The objection of claim 35 for minor informalities has been withdrawn in view of Applicants' amendment to the claim.

Continuation of 5. does NOT place the application in condition for allowance because: The rejection of amended claims 35, 65, and 66 under 35 U.S.C. 102(b) as being anticipated by Neer et al. (U.S. Patent No. 4,698,328, October 1987) set forth in Paper No. 14 remains. Applicants continue to argue that the reference of Neer et al. does not anticipate the currently claimed invention because the cited reference does not teach reducing the risk of vertebral and non-vertebral bone fracture by the PTH (1-34) treatment and does not teach the specific dosage used in the method of treatment. Applicants' arguemnt has been fully considered, but is not deemed to be persuasive for the reasons of record in Paper No. 14.

The Examiner further notes that Neer et al. teach a method for the treatment of osteoporosis in the same patient population comprising administering human PTH (1-34) in a daily dose of 100-700 units. Since Neer et al. teach treatment of osteoporosis, Neer et al. inherently teach reducing the risk of bone fracture because the definition of "osteoporosis" is defined as "reduction in the quantity of bone or atrophy of skeletal tissue; an age-related disorder characterized by decreased bone mass and increased susceptibility to fractures" (Stedman's Medical Dictionary 27th Edition).

The Examiner's position is evidenced by the prior art of record. For example, Lindsay et al. (The Lancet, 350:550-555, 1997) teach that treatment of postmenopausal women with osteoporosis with hPTH (1-34) in a daily dosage of 25 ug increased total-body bone mineral and that the increased vertebral mass was associated with a reduced rate of vertebral fracture. Lindsay et al. further teach that bone-mass chages may be consistent with a reduction in all osteoporotic fractures (page 550, right column). Cosman et al. teach that hPTH (1-34) increases bone mass and perhaps a reduction in osteoporotic fracture (Abstract). Hirano et al. teach that hPTH (1-34) enhances the mechanical strength of cortical bone in rabbits (abstract). Furthermore, Turner et al. teach hPTH (-34) induces parallel increases in bone mass and bone strength in animals, which is clearly cited in the the article of N Engl J Med 344:1434-1441, 2001. One of the inventors, Gregory A. Gaich, is also a co-author of the article.

The daily dosage in units can be readily converted to the daily dosage in ug because the conversion factors can be readily obtained from the prior art. The article of Neer et al. (N Engl J Med 344:1434-1441, 2001; post filing date of the instant application) teaches the use of the daily dosage of 20 ug PTH (1-34) for treatment of osteoporosis and reduction of bone fracture in postmenopausal woman with osteoporosis, further supporting the Examiner position.

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